On the Structure of the Nucleus and the Golgi Apparatus in the Cells of Gut Epitheli... in Paraseuris Faunus

(Pg) shows numerous invaginations of the wall of a Golgi vesicle. Its further growth leads to the formation of still more complicated structures (Figs 2 1, n, Pg). Since the size of the latter corresponds to that of mitochondria (1.1μ), their origin from these may be assumed. On the strength of the investigation of the ultra-microstructure of the basal part of the intestinal cell the author draws the following conclusions: 1) The nuclear membrane has a great number of continuous pores (Fig 1 b). The nucleus contains accumulations of eosinophilic granularity which according to the size of the granules resembles the molecules of ribonucleic acid. The nuclear membranes contain as well a lot of such granules. Some morphological peculiarities are indicative of an intense exchange between the nucleus and the cytoplasm. 2) The cytoplasm of the basal part is rich in various structures. It contains (besides the nucleus) Dictyosomes and ergastoplastic cysts as well as two types of hitherto not described formations (above-mentioned) which are similar to the Golgi apparatus, to the ergastoplasm, and to the mitochondria. 3) The

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On the Structure of the Nucleus and the Golgi Apparatus in the Cells of Gut Epithelium in Parascaris Equorum

SOV/20-125-5-47/61

Dictyosomes of the Golgi apparatus are tiny (110-720 $m\mu$) and consist of six to eight parallel canaliculae with typical terminal invaginations in the form of small vesicles. 4) The ergastoplastic apparatus is mainly represented by cyst-like structures up to 1μ long. There are 2 figures and 12 references.

ASSOCIATION: Institut morfologii zhivotnykh im. A. N. Severtsova Akademii nauk SSSR (Institute of Animal Morphology imeni A. N. Severtsov of the Academy of Sciences, USSR)

PRESENTED: October 24, 1958, by M. I. Shumbin, Academician

SUBMITTED: October 6, 1958

Card 3/3

TOKIN, I.B.

Structure and formation of lipid inclusions. Dokl. AN SSSR 134 no.3: 697-698 S '60. (MIRA 13:9)

1. Leningradskiy gosudarstvennyy universitet im. A.A. Zhdanova. Predstavleno akad. I.I. Shmal'gauzenom.
(LIPIDS) (MITOCHONDRIA)

TOKIN, I.B. (Leningrad, P-22, Kirovskiy prospekt, 69/71, kv.55)

Electron microscopic study of the fertilization process.
Arkh. anat., gist. i embr. 43 no.8:101-114 Ag '62.
(MIRA 17:8)

1. Laboratoriya eksperimental'noy gistologii (zav. - prof.
V.P. Mikhaylov) Instituta eksperimental'noy meditsiny AMN SSSR.

TOKIN, I.P.

Structure of ringlike lamellar formations in the oocytes of a frog. Nauch. dokl. vys. shkoly; biol. nauki no.4:40-43 '64.
(MIRA 17:12)

1. Rekomendovana kafedroy embriologii Leningradskogo gosudarstvennogo universiteta im. A.A. Zhdanova.

TOKIN, I.P.; REDLICH, P. [Rohlich, Pal']

Improved method of glutaraldehyde fixation for better preservation of fine cell structure. Arkh. anat., gist. i embr. 48 no.6:106-109 Je '65. (MIRA 18:7)

1. Institut radiatsionnoy gigiyeny, Leningrad i Meditsinskiy universitet, Budapesht.

TOKIN, I.B.

Current concepts on the structure and functions of the Golgi apparatus. Arkh. anat., gist. i embr. 45 no.12:3-22 D '63.
(MIRA 17:8)

1. Kafedra embriologii (zav. - prof. B.P. Tokin) Leningradskogo universiteta imeni Zhdanova. Adres avtora: Leningrad, Universitetskaya naberezhnaya, 7, Leningradskiy gosudarstvennyy ordena Lenina universitet imeni A.A. Zhdanova, kafedra embriologii.

ZUBKHITSKIY, Yuriy Kazimirovich; [illegible], I.D., red.

[Methodology of luminescence microscopy in microbiology virology and immunology] Metod liuministsentnoi mikroskopii v mikrobiologii, virusologii i immunologii. Leningrad, Meditsina, 1964. 152 p. (MIRA 17:11)

TOKIN, I.B.

Ultrastructure of dedifferentiated cells of intestinal epithelium.
Dokl. AN SSSR 156 no. 5:1185-1188 Je '64. (MIRA 17:6)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova.
Predstavleno akademikom A.I.Oparinym.

TOKIN, I. B.

Submicroscopic analysis of the genesis of yolk platelets in the oocytes of Rana temporaria. Vest. LGU 19 no.9:40-44 '64.
(MIRA 17:7)

ZAKRZHEVSKIY, Yevgeniy Bronislavovich; VASIL'YEVA, Lidiya Georgiyevna; TOKIN, I.B., red.; LEBEDEVA, G.T., tekhn. red.

[Fluorescence microscopy in clinicohematological examinations] Liuminestsentnaia mikroskopiia v kliniko-gematologicheskikh issledovaniiakh. Leningrad, Medgiz, 1963. 86 p. (MIRA 17:2)

TOKIN, I.B.; GABAYEVA, N.S.

Electron microscopic study of the surface sections of the oocytes of Rana temporaria. Vest. LGU 18 no.15:158-160'63. (MIRA 16:9)

(EMBRYOLOGY—AMPHIBIA) (OVUM)

TOKIN, I.B.

Origin of lipid inclusions in somatic cells; electron microscope investigation. Nauch. dokl. vys. shkoly; biol. nauki no.1:51-53 '62. (MIRA 15:3)

1. Rekomendovana Fiziologicheskim institutom Leningradskogo gosudarstvennogo universiteta im. A.A. Zhdanova.
(CELLS) (LIPIDS)

TOKIN, I.B.

Submicroscopic structure of the nucleolus in sexual and somatic cells of ascarids. Nauch. dokl. vys. shkoly; biol. nauki no.3:57-60 '61. (MIRA 14:7)

1. Rekomendovana Fiziologicheskim institutom Leningradskogo gosudarstvennogo universiteta im. A.A.Zhdanova.
(ASCARIDS AND ASCARIASIS) (CELL NUCLEI)

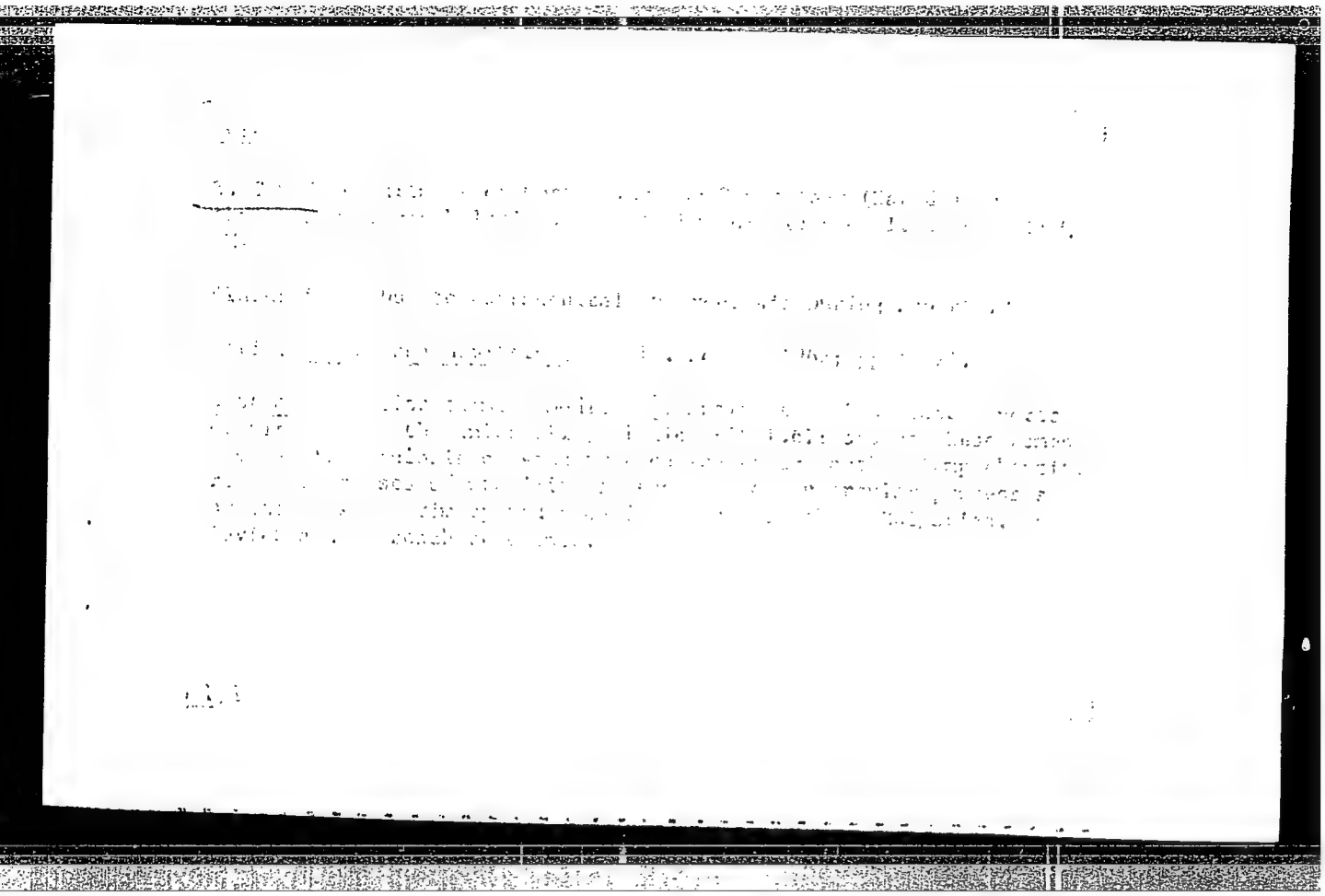
TOKIN, Ivan Borisovich; PETROVICHEVA, O.L., red.; VODOLAGINA, S.D., tekhn. red.

[Electron microscope studies of sexual and somatic cells (Parascaris Equorum)] Elektronno-mikroskopicheskie issledovaniia polovykh i somaticheskikh kletok (Parascaris Equorum). Leningrad, Izd-vo Leningr. univ., 1961. 163 p. (MIRA 14:11)
(CELLS) (ELECTRON MICROSCOPY) (ASCARIDS AND ASCARIASIS)

TOKIN, I.B.

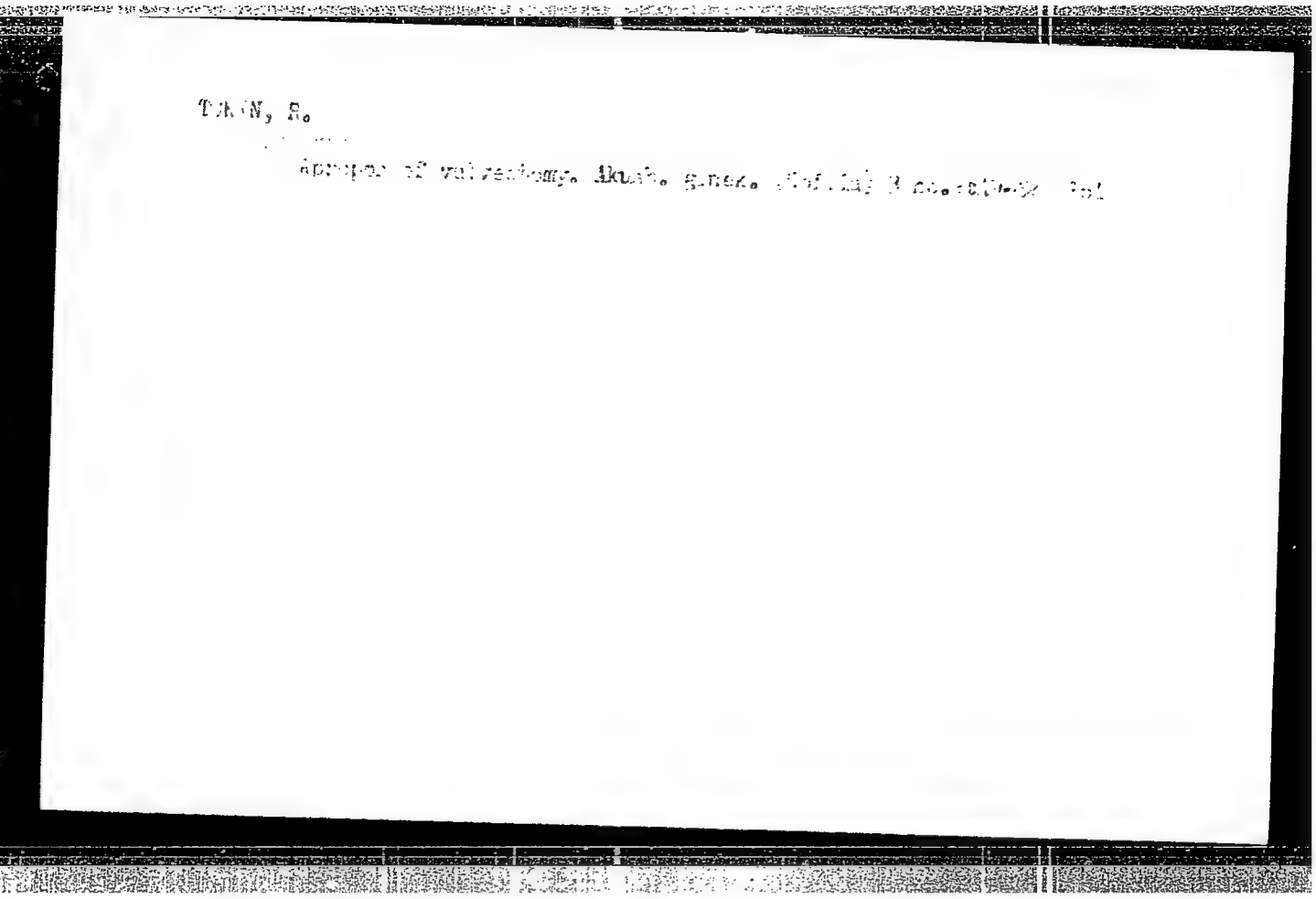
Principal elements of the ergastoplasmatic complex of gern cells. Nauch. dokl. vys. shkoly; biol. nauki no. 1:50-53 '61.
(MIRA 14:2)

1. Rekomendovana kafedroy embriologii Leningradskogo gosudarstvennogo universiteta im. A.A. Zhdanova.
(GERM CELLS) (PROTOPLASM) (ASCARIDS AND ASCARIASIS)



SHTURKALEV, Il.; ANANIEV, T.; MIRKOV,K.; TOKIN, R.; VASILEV, Z.

14-years of the "sterility" department of the Higher Medical Institute Obstetric and Gynecological Clinic "Maichin Dom" in Sofia. Akush. ginek. (Sofiia) 3 no.4:35-42 '64



T.15.N., R.

TOKIN, R.; SHTURKALEV, Il., prof.

On some frequent errors in the diagnosis, treatment and prevention of sterility in a family. Akush. ginek. (Sofiia) 4 no.2:136-140 '65.

1. VMI, Sofiia, Katedra po akusherstvo i ginekologiia (rukovoditel: prof. Il. Shturkalev).

FILIPPOV, B.N.; TOKISHIN, G.F.

Mechanization of the charcoal warehouse of the Amzinskiy Plant.
Gidroliz.i lesokhim.prom. 12 no.2:24-26 '59. (MIRA 12:3)

1. Amzinskiy lesokhimicheskiy zavod.
(Materials--Handling)

KATUNIN, V.Kh.; FILIPPOV, B.N.; TOKISHIN, G.F.

New apparatus for the absorption of valuable wood chemistry products. Gidroliz. i lesokhim.prom. 12 no.1:12-14 '59. (MIRA 12:2)

1. TSentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy institut (for Katunin). 2. Amzinskiy lesokhimicheskiy zavod (for Filippov, Tokishin).
(Wood--Chemistry) (Scrubber (Chemical technology))

TOKIY, N.N.; KUZ'MIN, G.S.; BAGRYANSKIY, K.V.

Electric arc welding of monel. Avtom. svar. 17 no.10:41-46 O '64
(MIRA 18:1)

1. Zhdanovskiy metallurgicheskiy institut.

S/125/63/000/003/008/012
A006/A101

AUTHORS: Bagryanskiy, K. V., Kuz'min, G. S., Tokiy, N. N.

TITLE: Welding nickel with low-carbon and stainless steels

PERIODICAL: Avtomaticheskaya svarka, no. 3, 1963, 70 - 72

TEXT: The following three methods are used to weld internal nickel facings with steel bodies in chemical equipment. 1) Single-pass overlap welding (Figure 4a); 2) two adjacent welds are covered by a coating joint (4b); 3) each sheet is welded tightly to the preceding sheet so that the second weld covers the first weld (4c). Manual arc welding of low carbon steel МСт.3 (MSt.3) and stainless steel 1Х18Н9Т (1Kh18N9T) is performed with ЦЛ-9 (TsL-9), ЭНТУ-3 (ENTU-3), and other electrodes, on d-c of reverse polarity. Electrode diameter is 3, 4 and 5 mm; welding current is 100 - 130; 140 - 170 and 170 - 210 amps, respectively. For automatic and semi-automatic electric-wave welding of nickel with low-carbon and stainless steels the Zhdanov Metallurgical Institute has developed a special ceramic (ZhN-2) flux, yielding high-quality joints without any defects. Welding is performed on d-c of reverse polarity with a short arc.

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S/125/63/000/003/008/012
A006/A101

Welding nickel with low-carbon and stainless steels

Electrode wire Св-05Х19Н9Т (Sv-05Kh19N9T) or Св-08Х19Н9Ф2С (Sv-08Kh19N9F2S) may be used. The mechanical properties of the weld metal, obtained by the aforementioned methods are 50.0 - 52.3 kg/mm^2 tensile strength; 21.5 - 39.5% elongation, and 19.0 - 22.5 kgm/cm^2 impact strength. Laboratory and industrial tests show the high reliability of the nickel-steel welds and their economical advantage. The methods are recommended for the manufacture of chemical equipment. There are 4 figures and 2 tables.

ASSOCIATION: Zhdanovskiy metallurgicheskiy institut (Zhdanov Metallurgical Institute)

SUBMITTED: August 14, 1962

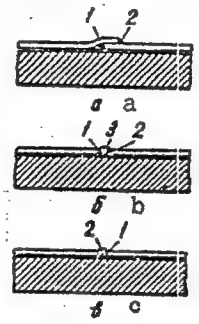

Figure 4. Sequence of welding nickel facings on steel parts

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BAGRYANSKIY, K. V.; KUZ'MIN, G. S.; TOKIY, N. N.

Welding nickel with low-carbon and stainless steels. Avtom. svar. 16 no.3:70-72 Mr '63. (MIRA 16:4)

1. Zhdanovskiy metallurgicheskiy institut.

(Nickel—Welding) (Steel—Welding)

SOURCE:

the manufacturing of chemical apparatuses. The orig. art. has:

SAMARIN, Yu.N.; FRIDRIKHSBERG, D.A.; TOKLACHEV, S.S.

Physical and chemical study of ionophoresis. Report No.: Electrophoresis of dionin. Vop.kur.fizioter. i lech.fiz.kul't. 22 no.4: 3-7 Jl-Ag '57. (MIRA 10:11)

1. Iz Leningradskogo instituta fizioterapii i kurortologii (dir. - kandidat meditsinskikh nauk G.S.Antonov)
(ELECTROPHORESIS) (MORPHINE)

TOKLOVSKIY, V.

Threshing Machines

Compound flax threshing machine MLS-2, 5 Kolkh.proiz. 12 No. 6 1952

Monthly List of Russian Accessions. Library of Congress, October 1952. UNCLASSIFIED.

IVANOV, N.N.; KARPIN, Ye.B.; OSTROVSKIY, I.G.; TOKMACHEV, A.F.

Continuous automatic pneumatic weighing batchers. Priborostroenie no. 12:16-18 D '60. (MIRA 14:1)
(Weighing machines)

TOKMACHEV, G.

Use the new technology in education. Prof.-tekh.obr.14 no.11:18-20 N '57. (MIRA 10:12)

1. Zaveduyushchiy Voronezhskim oblastnym uchebno-metodicheskim kabinetom.

(Railroads--Employees--Education and training)

TOKMACHEV, G.

27-11-12/31

AUTHOR: Tokmachev, G., In Charge of the Voronezh Oblast' Methodical Training Section

TITLE: A New Technique Applied in the Instructional Process (Novuyu tekhniku - v uchebnyy protsess)

PERIODICAL: Professional'no - Tekhnicheskoye Obrazovaniye, 1957, # 11, p 18-20 (USSR)

ABSTRACT: The author describes the experience gained by the Voronezh RR School # 1 (Voronezhskoye zheleznodorozhnoye uchilishche # 1) in selecting, studying and introducing into pedagogical practice new techniques, modern technologies of production and advanced work methods. In this connection, the school avails itself of the wide experience of the Voronezh Locomotive Repair Plant (Voronezhskiy parovozoremontnyy zavod) - the school's basic enterprise. The two methodical commissions of the school constantly control the selection of new procedures or devices and decide on their introduction into the teaching process. In this manner, the school has gathered extensive data on valuable experiences of the basic enterprise, and these are successfully applied by the master-craftsmen and instructors.

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The methodical commissions also study the latest experience of the RR Repair Shop (Voronezh II) and respective literature. Some of the innovations are quoted. Previously the boiler fittings (water indicator, injector housing, the heating drain cock, the reverse feed valves of injectors H-400, the whistle valve, etc.) were tested during the hydraulic test of a locomotive's boiler. At present the repaired object, e.g. water indicating devices, are tested for density on a special stand. After the repair of a boiler's control plugs, the hydraulic test is carried out by means of a new press ensuring the reliability of the repair. The press for the hydraulic test of the control plugs was constructed by Naumov, a former master of the RR School # 1. These presses are now installed at different RR workshops. A boiler's general shut-off valve was formerly repaired manually. Two men in the boiler workshop invented a device consisting of a reversible, slow-speed, pneumatic machine, making 25 rpm, and a special cross piece. A valve is now repaired with considerably less labor. When dealing with the subject "Repair of the Engineer's Cab of Locomotives" the students are taught the use of a hand lift which was constructed by a former student, machinist Podrezov.

A New Technique Applied in the Instructional Process 27-11-12/31

By means of this lift the tie beam underneath the bearing box, weighing more than 100 kg, can be lifted to the frame or lowered by one laborer, an operation which formerly required 3-4 mechanics. The students are also familiarized with an electric device invented by the same Podrezov for lifting heavier parts to the locomotive frame. Previously, this work was done by manual labor. The Pedagogical Collective is now examining the following equipment: 1. a conveyer-washing machine, 2. a new technology (razmetka) in laying out the axle bearings, 3. a portable tool (balansir) for boring out the roller holes of the spring suspension's longitudinal equalizer.
There are 5 figures showing the devices.

ASSOCIATION: Voronezh Oblast' Methodical Training Section (Voronezhskiy oblastnoy uchebno-metodicheskiy kabinet)

AVAILABLE: Library of Congress

Card 3/3

KALASHNIKOV, E.; TOKMACHEV, G.

Readers about books. Prof.-tekh.obr.12 no.11:30-31 N '55.
(MLRA 9:2)

1.Zamestitel' direktora po uchebno-proizvodstvennoy chasti dmitrovskogo uchilishcha mekhanizatsii sel'skogo khozyaystva No.1 (Orlovskaya oblast') (for Kalashnikov). 2.Zaveduyushchiy uchebno-metodicheskim kabinetom Voronezhskogo oblastnogo upravleniya trudovykh rezervov (for Tokmachev).
(Technical education)

PAVLOVSKIY, G.I., kand.tekhn.nauk, dotsent; TOLMACHEV, V.D., inzh.

Start of a turbine with additional steam heating of the hull. Izv. vys. ucheb. zav.; energ. 7 no.3:61-66 Mr '64. (MIRA 17:4)

1. Khar'kovskiy politekhnicheskiy institut imeni V.I.Lenina. Predstavlena kafedroy obshchey teplotekhniki.

CHERNYAYEV, A.M.; CHERNYAYEVA, L.Ye.; TOKHACHEV, Ya.I.

Formation of the vitriol Lake of Gay. Trudy Sver. gor. inst. no.43:141-145 '63. (MIRA 18:7)

SACHKOV, V.I.; TOKMACHEV, Yu.K.

Comparison of antigenic properties of the blood serum in patients with rheumatic fever and infectious nonspecific polyarthritis. Terap. arkh. 31 no.10:51-56 O '59. (MIRA 13:3)

1. Iz gruppy deystvitel'nogo chlena AMN SSSR prof. A.I. Nesterova i kafedry fakul'tetskoy terapii Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.
(RHEUMATISM immunol.)
(ARTHRITIS, RHEUMATOID immunol.)

SACHKOV, V.I.; GRIGOR'YEVA, M.P.; TOKMACHEV, Yu.K.; ANOKHIN, V.N.

Presence of a streptococcal antigen in rheumatic fever serum.
Zhur.mikrobiol.,epid.i immun. 30 no.12:122 D '59. (MIRA 13:5)
(RHEUMATIC FEVER) (STREPTOCOCCUS)

TOKMACHEV, Yu.K.

Immunological methods for investigating the reactivity of patients with rheumatic fever and infectious nonspecific polyarthritis. Terap. arkh. 31 no.10:56-63 O '59. (MIRA 13:3)

1. Iz kafedry fakul'tetskoy terapii (zaveduyushchiy - deystvitel'nyy chlen AMN SSSR prof. A.I. Nesterov) lechebnogo fakul'teta II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.
(RHEUMATISM immunol.)
(ARTHRITIS, RHEUMATOID immunol.)

ASTAPENKO, M.G., dots.; TOKMACHEV, Yu.K.

Effectiveness of combined therapy in infectious nonspecific polyarthiritis and the significance of the Waaler-Rose reaction in its evaluation. Sov.med. 23 no.1:90-96 Ja '59. (MIRA 12:2)

1. Iz kafedry fakul'tetskoy terapii (zav. - deystvitel'nyy chlen AMN SSSR prof. A.I. Nesterov) lechebnogo fakul'teta II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.
(ARTHRITIS, RHEUMATOID, ther.
combined ther., evalucation of effectiveness by Waaler-Rose test (Rus))

TOKMACHEVA, Nina Aleksandrovna; LEONOVICH, N.V., nauchn. red.

[New developments in the production of malt and beer] Novoe v tekhnologii proizvodstva soloda i piva. Moskva, TsNIIPI, 1965. 40 p. (MIRA 19:1)

POLOVODOVA, V.P.; GUDOSHCHIKOVA-KRASIL'NIKOVA, V.I.; TOKMACHEVA, S.S.

Entomological prerequisites in fly control. Med.paraz. i paraz.bol. 25 no.4:358-363 O-D '56. (MIRA 10:1)

1. Iz Instituta malyarii i meditsinskoy parazitologii Ministerstva zdravookhraneniya RSFSR (dir. instituta S.N.Pokrovskiy) i Novocherkasskoy gorodskoy sanitarno-epidemiologicheskoy stantsii (glavnyy vrach Ye.A.Monchenko)

(FLIES,
control, entomol. principles (Rus))

80972

S/136/60/000/07/012/024
E193/E283

IP.3100

AUTHORS: Ginodman, G. M., and Tokmadzhyan, G. S

TITLE: Gas Absorption and Regeneration of Cryolite in the Production of Aluminium

PERIODICAL: Tsvetnyye metally, 1960, Nr 7, pp 51-58 (USSR)

ABSTRACT: A plant for purification of waste gases, obtained during the electrolytic production of aluminium, first of this kind to be built in the Soviet Union, was erected at the Kanakerski Aluminium Plant in 1957. The present paper gives a detailed description of the construction and operation of this plant, designed to treat 1 300 000 m^3 of the waste gases per h. Four axial-flow pumps are used to force the waste gases through a water-jet scrubber, constructed in the form of an annulus (outside diameter 25 m, inside diameter 12 m), divided by vertical walls into four equal segments, each of which can be operated individually. The scrubber, in which a solution of soda ash is used, is operating under the following conditions: gas flow rate - 1.03 m/sec; consumption of the soda ash solution - 9.4 m^3/m^2 h; concentration of soda ash in the solution - 4%; time

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Gas Absorption and Regeneration of Cryolite in the Production of Aluminium

during which the gases are in contact with the water spray - 0.8 sec; the temperature of the gases at the entry and at the exit side of the scrubber - 65 to 75 and 24 to 29°C, respectively; relative humidity of the gases - 7 to 9 before, and 93 to 96% after passing through the scrubber. When, after being recirculated for some time, the soda ash solution becomes enriched in the NaF, $NaHCO_3$ and Na_2SO_4, it is diverted to the regeneration plant for recovery of cryolite. The bicarbonate method due to Labutin, Ivanov, and Morozov, is used for this purpose, cryolite being formed as a result of the following reaction:

$$12\ NaF + Na_2O.Al_2O_3 + 8NaHCO_3 =$$

$$= 2Na_3AlF_6 + 8Na_2CO_3 + 4H_2O.$$

The obtained product contains 37 - 46% F, 28 - 32% Na, 9 - 12% Al, and 5 - 9% SO_4. Sulphate is removed from this product by repulping with hot water (liquid:solid =

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Gas Absorption and Regeneration of Cryolite in the Production of Aluminium

10:1) and filtering, after which it contains 47.9% F, 30.4% Na, 12.2% Al, and 2.2% SO_4. Preliminary calculations have shown that the purifying plant recovers up to 40 kg of fluorine and up to 900 kg of alumina per each ton of aluminium produced. Thus, in addition to its main function of preventing atmospheric pollution, the plant produces a large quantity of valuable raw material. There are 2 figures, 3 tables and 10 Soviet references.

4

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2

L 5299-66 EWT(m)/T
ACC NR: AP5024963 SOURCE CODE: UR/0286/65/000/016/0024/0024

AUTHORS: Melkonyan, G. S.; Lileyev, I. S.; Darbinyan, M. V.; Arakelyan, O. I.; Dovlatyan, A. N.; Oganesyan, M. L.; Tokmadzhyan, G. S.

26
29

ORG: none

TITLE: A method for obtaining zeolites. Class 12, No. 173720 (announced by Scientific Research Institute of Stone and Silicates (Nauchno-issledovatel'skiy institut kamnya i silikatov))

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 24

TOPIC TAGS: zeolite, perlite, volcanic glass

ABSTRACT: This Author Certificate presents a method for obtaining zeolites from natural minerals by treating the latter with a base at a temperature of 50-200C. The resulting zeolite is then strained and washed. To increase the amount of available raw materials and to lower the cost of zeolites, perlite rock is used as the original raw material.

SUB CODE: MT, GC / SUBM DATE: 12May64/ ORIG REF: 000/ OTH REF: 000

Card 1/1 UDC: 661.183.6

0901 0539

VARTANYAN, S.A.; PIRUMYAN, S.K.; AVETYAN, I.O.; TOKMADZHYAN, R.V.

Chemistry of vinylacetylene. Part 54: Reaction of formaldehyde with tertiary vinylacetylenic alcohols in the presence of cation exchangers. Izv. AN Arm. SSR.Khim.nauki 17 no.6:672-675 '64.
(MIRA 18:6)

1. Institut organicheskoy khimii AN Armyanskoy SSR.

VARTANYAN, S.A.; PIRENYAN, S.K.; TOKMADZHYAN, R.V.

Chemistry of vinylacetylene. Part 57: Dehydration of symmetric and asymmetric acetylenic glycols in the presence of aspatite KU-1. Izv. AN Arm.SSR. Khim. nauki 18 no.2:175-177 '65. (MIRA 18:11)

1. Institut organicheskoy khimii AN ArmSSR. Submitted April 23, 1964.

VARTANYAN, S.A.; PIRENYAN, S.K.; TOKMADZHYAN, R.V.

Dehydration of tertiary diacetylenic glycols. Izv. AN Arm.SSR. Khim.nauki 18 no.1:126-127 '65.

(MIRA 18:5)

1. Institut organicheskoy khimii AN ArmSSR.

TOKMADZHYAN, V.O.

Optimum load distribution among daily adjusting derivation hydroelectric power plants. Izv.AN Arm.SSR. Ser.tekh.nauk no.5:43-50 '60.
(MIRA 13:11)

1. Yerevanskiy politekhnicheskiy institut.
(Hydroelectric power stations) (Electric power distribution)

SOV/112-58-1-254

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1958, Nr 1, p 36 (USSR)

AUTHOR: Tokmadzhyan, V. O.

TITLE: Energy Effectiveness of Daily Regulation in Water-Power Systems (Energeticheskaya effektivnost' sutochnogo regulirovaniya v gidroenergo-sistemakh)

PERIODICAL: Sb. nauch. tr. Yerevansk. politekhn. in-t, 1956, Nr 14, pp 71-75

ABSTRACT: A case is considered of a partial daily regulation of a water-power system that consists of individual diversion hydroelectric stations. Of them, the stations without daily regulation operate on base load, and the stations with daily regulation carry the top of the load. It is noted that the above case is a general case, while full regulation or absence of regulation are extreme cases, which take place either with an inadequate total daily-regulation capacity or with insufficient daily production by the daily-regulated stations for covering all load peaks. An example of daily load curve is presented as well as the curves serving to determine the degree of regulation necessary for a given set

Card 1/2

Energy Effectiveness of Daily Regulation in Water-Power Systems

of conditions. With the degree of regulation known, the following values can be determined: (1) maximum ordinate of the load curve; (2) useful production over the rated day; (3) lost production over the rated day. The above values determine the energy effectiveness of daily regulation for local hydroelectric stations. The relationships presented can be used in making plans of energy production from local hydro-resources and in determining the effectiveness of daily regulation.

V.A.P.

AVAILABLE: Library of Congress

1. Power plants--Energy 2. Power plants--Control 3. Power plants--Analysis 4. Power plants--Production

Card 2/2

Dissertation: "Methods of Calculating the Effectiveness of Daily Regulation in Small Diversion-Type Hydroelectric Stations." Cand Tech Sci, Yerevan Polytechnic Inst imeni Karl Marx, 1st May 54. (Kommunist, Yerevan, 30 Apr 54)

SO: SUM 243, 19 Oct 1954

GINODMAN, G.M.; TOKMADZYAN, G.S.

Gas absorption and the regeneration of cryolite. TSvet. met. 33 no.7:54-58 Jl '60. (MIRA 13:7)
(Gas purification) (Aluminum--Metallurgy) (Cryolite)

TOKMADZHYAN, V. O.

Water hammer in pipes during the movement of a two-phase fluid.
Izv. AN Arm. SSR. Ser. tekh. nauk 13 no.2:13-18 '60.
(MIRA 13:8)

1. Yerevanskiy politekhnicheskiy institut im. Karla Marksa.
(Water hammer)

TOKMAGAMBETOV, Sh., gornyy inzh.; BELYAYEV, V., gornyy inzh.

The collective of Mine No.22 of the Karagandaugol' Combine is celebrating Miner's Day. Ugol' 39 no.8:29-30 Ag '64. (MIRA 17:10)

1. Shakhta No.22 kombinata Karagandaugol'.

TRET'YAKOV, A.V., kand.tekhn.nauk; GRACHEV, A.V., inzh.; TOKMAKOV, A.A., inzh.; OVODENKO, M.B., inzh.; KONOVALOV, P.G., inzh.

Redesigning the cooling system of the 2800 mill. Sbor. st. NII TIAZHMASHa Uralmashzavoda no.6:156-160 '65.

(MIRA 18:11)

TOKMAKOV, A.I.

Research carried out in the Faculty of Geography of Chernovtsy State University. Nauch.dokl.vys.shkoly;geol.-geog.nauki no.1: 262-263 '58. (MIRA 12:2)

1. Chernovitskiy universitet, geograficheskiy fakul'tet.
(Geography)

TOKMAKOV, A.I.

Microclimatic conditions at the headwaters of the Seret River (southeastern Carpathians). Trudy UkrNIGMI no.45:112-[illegible] '64.
(MIRA 17:11)

TOKMAKOV, A.I.

"Climatology course," part 3. B.P.Alisov, I.A.Berlin, V.M.Mikhel'. Reviewed by A.I.Tokmakov. Meteor.i gidrol. no.5:61-63 S-O '55. (MLRA 8:12)

(Climatology) (Alisov, Boris Pavlovich, 1892-) (Berlin, I.A.) (Mikhel', V.M.)

TOKMAKOV, A.I.

AID P - 3191

Subject : USSR/Meteorology

Card 1/1 Pub. 71-a - 18/23

Author : Tokmakov, A. I.

Title : Alisov, V. P., Berlin, V. M. Mikhel' Kurs klimatologii (Course in Climatology) Gidrometeoizdat, 1954. (Book review)

Periodical : Met. i. gidr., 5, 61-63, S/O 1955

Abstract : The author reviews the third volume of the Course in Climatology and gives a favorable opinion of the manual. However, some minor errors and misstatements are listed and criticized.

Institution : None

Submitted : No date

TOKMAKOV, A.I.

Microclimatic observations in the forest-steppe part of Chernovtsy Province. Trudy UkrNIGMI no.38:71-81 '63. (MIRA 17:2)

ACCESSION NR: AR4008223 S/0169/63/000/011/B035/B035

SOURCE: RZh. Geofizika, Abs. 11B223

AUTHOR: Tokmakov, A. I.

TITLE: Temperature regime of the Ukrainian Carpathians

CITED SOURCE: Uch. zap. Ukr. geogr. o-vo, In-t geol. i geogr. AN LitSSR. Kiyev--Vil'nyus, 1962, 4-132

TOPIC TAGS: meteorology, Carpathian temperature, Carpathian climatology, Carpathian weather chart, Ukrainian Carpathian Mountains

TRANSLATION: The different types of relief and altitude above sea level give rise to the varied thermal regime in the Ukrainian Carpathians, despite the small size of the territory. The author cites vertical temperature gradients for different altitudes for each month. For the 200-1200 m belt, the average annual value of the temperature gradient is 0.50-0.55°. The deviations of the vertical temperature gradient from the average climatological value (0.50°) can reach ± 0.18° in individual months. Inversions are fairly frequent during the cold

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ACCESSION NR: AR4008223

part of the year. The dependence of air temperature on wind velocity and direction is given separately for the Subcarpathian, Carpathian montane, and Transcarpathian regions. In addition to the general circulatory conditions, the air temperature in the mountains is affected by foehns and mountain valley winds. A number of maps are shown and analyzed: January, April, July, and October air temperature distribution maps for ground-level temperatures; a map of the average of the absolute minimum air temperatures; dates of the stable passage of the air temperature through 0.5 and 10° in spring and autumn; the average air temperature at the 1300 hour in January and July; the maximum air temperature and the annual temperature amplitude. There is a description of the thaw periods (which cover more than half of the winter days), the spring and autumn frosts, the daily course of air temperature and the daily amplitude, and the daily variability of air temperatures. N. Myachkova.

DATE ACQ: 09Dec63 SUB CODE: AS ENCL: 00

Card 2/2

TOKMAKOV, A.I., dotsent

Geographical Faculty of Chernovtsy University. Vest. Mosk. un. Ser. 5:Geog. 18 no.2:59-61 Mr-Ap '63. (MIRA 16:3)

1. Dekan geograficheskogo fakul'teta Chernovitskogo gosudarstvennogo universiteta.

(Chernovtsy—Geography—Study and teaching)

LEUTSKIY, K.M., prof., otv. red.; KALYUZHNYY, I.F., dots., red.; LISHCHENKO, N.A., dots., red.; BYKOVA, O.Ye., kand. filol. nauk, red.; GOROKHOVA, Z.N., dots., red.; TOKMAKOV, A.I., dots., red.; DOMBROVSKIY, A.V., dots., red.; BELYAYEV, N.G., dots., red.; LYUBOPYTNOVA, V.S., dots., red.; MUZYCHKO, G.I., tekhn. red.

[Science yearbooks for 1957] Nauchnyi ezhegodnik za 1957 god. Chernovtsy, Chernovitskii gos. univ., 1958. 522 p.
(MIRA 16:10)

1. Czernowitz. Universytet. 2. Rektor Chernovitskogo gosudarstvennogo universiteta (for Leutskiy).
(Science--Yearbooks)
(Social sciences--Yearbooks)

TOKMAKOV, A.I.

Radiational index of dryness and the determination of climatic boundaries. Izv. AN SSSR. Ser. geog. no.2:98-100 Mr-Ap '65.
(MIRA 18:4)

1. Chernovitskiy gosudarstvennyy universitet.

TORMAKOV, A.I.; GNATENKO, N.G.; BONDARENKO, Yu.I.; DAGAYEVA, T.E.; RYBIN, N.N.; KOZHURINA, M.S.; LUNITSA, A.N.; ZHUPANSKIY, Ya.I.; BUTKOVSKIY, V.A.

In memory of Boris Nikolaevich Viannevskii, 1891-1965. Izv. Vses. geog. ob-va 97 no.4:390-391 Jl-Ag '65. (MIRA 18:8)

Tokmakov, A.K.

PHASE I BOOK EXPLOITATION SOV/4431

Vostrikov, S.I., L.N. Zuyev, V.I. Kuznetsov, M.A. Makhmutin, A.N. Nesvala, V.A. Pelishenko, A.K. Tokmakov, and A.M. Pilin

Teoriya aviatsionnykh dvigateley, ch. 2: Teoriya reaktivnykh dvigateley (Theory of Aircraft Engines, Pt. 2: Theory of Jet Engines) Moscow, Voyenizdat, 1960. 281 p. No. of copies printed not given.

Ed. (Title page): I.V. Kotlyar, Candidate of Technical Sciences; Ed. (Inside book): M.S. Pisarev, Engineer-Colonel of the Reserve; Tech. Ed.: T.F. Myasnikova.

PURPOSE: This textbook is for students of aviation technical schools. It may also be useful to flying and ground personnel of the Air Force, Army, and DOSAAF (All-Union Society for Promotion of the Air Force, Army, and Navy).

COVERAGE: The book generalizes and systematizes problems of aircraft engine theory. Special attention is given to the physical causes of phenomena and processes which take place in parts and in the whole engine. No personalities are mentioned. There are 8 references, all Soviet.

Card 1/10

VOSTRIKOV, S.I.; ZUYEV, L.N.; KUZNETSOV, V.I.; MAKHNUTIN, M.A.; NESPELA, A.N.; PELISHENKO, V.A.; TOKMAKOV, A.K.; FILIN, A.M.; MAYZEL', Yu.M., kand.tekhn.nauk, retsenzent; KOTLYAR, I.V., kand.tekhn.nauk, red.; PISAREV, M.S., inzh.-polkovnik zapasa, red.; MYASNIKOVA, T.F., tekhn.red.

[Theory of airplane engines] Teoriia aviatsionnykh dvigatelei. Pod red. I.V.Kotliara. Moskva, Voen.izd-vo M-va obor.SSSR. Pt.2. [Theory of jet engines] Teoriia reaktivnykh dvigatelei. 1960. 281 p. (MIRA 13:7)
(Airplanes--Jet propulsion)

TOKMAKOV, A.S.

EXCERPTA MEDICA Sec 11 Vol 9/9 O.R.L. Sept 56

1638. ~~TOKMAKOFF A.S.~~ Distr. Hosp., Krasavinsk. *New methods of plastic restitution of defects of the nasal tip and nares caused by third degree frost bite VESTN. KHIR. 1955, 5 (119-120) Illus. 3 (Russian text)

Two methods are presented with helpful illustrations. Twenty two cases have been treated under local anaesthesia.

Prujansky - Tel-Aviv

TOKMAKOV, A.S.

Phlegmon of the large intestine. Vest.khir. 77 no.5:99 My '56.
(MLRA 9:8)

1. Iz Krasavinskoy rayonnoy bol'nitsy Vologodskoy oblasti.
(INTESTINES--INFLAMMATION)

TOKMAKOV, A.S.

Phlegmon of the large intestine. Vest.khir. 77 no.5:99 My '56.
(MLRA 9:8)

1. Iz Krasavinskoy rayonnoy bol'nitsy Vologodskoy oblasti.
(INTESTINES--INFLAMMATION)

TOKMAKOV, A.S.

New methods of restoring defects of the apex nasi and of the nostrils after third degree of frostbite. Vest.khir. 75 no.5:119-120 Je '55. (MLRA 8:10)

1. Iz Krasavinskoy rayonnoy bol'nitsy.

(FROSTBITE,
nose, plastic reconstruction of apex & nostrils)
(NOSE, dis.
frostbite, plastic reconstruction of apex & nostrils)

TOKMAKOV, G.; LIPKINA, V.

Rectifier for feeding RDP-51 feed apparatus (diffusion exchange units). Radio no.6:16-17 Je '53. (MLRA 6:6)

(Radio--Rectifiers)

USSR/Electronics - Wired Radio Centers
Remote [redacted] Supply

Apr 51

TOKMAKOV, G.

"A Wired Radio Center With Remote [redacted] Supply", G. Tokmakov and V. Lipkina

Radio, No 4, pp 12-17

Describes in detail the RDP-51 wired radio center. This consists of a transmitter and a block of filters usually located in the rayon center (in the telephone exchange or rayon wired radio center) and 5 output receiving-amplifying units (each handling 30-40 speakers) located in the points to be radiofied. Both the power supply and the broadcast program are transmitted to the unattended receiving-amplifying stations over intra-rayon telephone lines using a 31-kc carrier.

2 - TSF

TOKMAKOV, G.; LIPKINA, V.

Radio - Stations

Relay radiobroadcasting station with remote power su.ply. Radio No. 4, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

USSR/Electronics - Wired Radio Centers
Power Supplies

M TOKMAKOV, G.

"A Rectifier Installation for Supplying the RPD-51 Wired Radio Center," G. Tokmakov and V. Lipkina

Radio, No 6, pp 16-18

Describes the VU-250/0.7 rectifier unit, designed to supply the RPD-51 wired radio center (described in Radio, No 4, 1953). The unit supplies 250 v at 0.7 amp max load current and also 6.3 v for supplying the filaments of the transmitter tubes. It includes a gas-tube voltage regulator and employs four individual bridge-connected selenium rectifiers.

61TG5

Name: TOKMAKOV, G.A.

Author of following books:

"The 1-V-0 Receiver". This book contains instructions on constructing the above receiver, using battery power supply. In addition, the book treats the following aspects: coil windings, bandswitches, schematic circuit arrangements and assembly of the receiver.

"Simple Detector Receiver". This book explains the method of adjustment and construction of this type receiver. Contains diagrams and schematic circuit arrangements.

REF: R. F. #20, p.63, 1938

KRIZE, Sergey Nikolayevich, dotsent, kand.tekhn.nauk; TOKMAKOV, G.A., dotsent, kand.tekhn.nauk, otv.red.; ARTEMOVA, T.I., red.izd-va; BOBROV, P.G., tekhn.red.

[Some approximation methods for the calculation of transitional processes] Nekotorye priblizhennye metody rascheta perekhodnykh protsessov. Moskva, Vses.zaochnyi politekhn.in-t, 1958. 46 p. (MIRA 12:9)

(Television)

Q-2

USSR/Farm Animals. Swine.

Abs Jour: Ref Zhur - Biol., No. 22, 1958, 101191

Author : Tokmakov, P.B.

Inst : Korov Agricultural Institute

Title : Utilizing Economically Effective Methods for Raising and Fattening of Swine in Order to Increase Pork Production and to Decrease Its Costs.

Orig Pub: Tr. Korovsk. s.-kh. in-ta, 1957, 12, No. 24, 3-10

Abstract: This paper deals with the problems of reducing fattening costs and of increasing production by improving the composition of herds, by making use of a larger number of individual sows, by organizing camp keeping of swine during the summer season, and by constructing automatic

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USSR/Farm Animals. Swine. Q-2

Abs Jour: Ref Zhur - Biol., No. 22, 1958, 101191

feeders and waterers. When kept in camps, swine are able to increase their weight by 30-35 percent as compared with weight gains which they attain during the winter although they are fed well. -- A.D. Musin

Card 2/2

MERENKOV, B. Ya.; TOKMAKOV, P.P.

Characteristics of the chrysotile-asbestos mineralization in the Pechenga-Nikel' area. Trudy IGEM no.47:53-60 '60. (MIRA 14:5)
(Pechenga District--Asbestos)

TOKMAKOV, P.P.; BERKHIN, S.I.

Relationship of the basal interplanar distances in magnesian-iron hydromicas to their composition and physicomechanical properties. Rent.min.syr. no.3:116-123 '63. (MIRA 17:4)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR.

PETROV, V.P.; TOKMAKOV, P.P.

Nature and genesis of sungulite. Izv. AN SSSR. Ser. geol. 28 no.12:59-79 D'63. (MIRA 17:2)

1. Institut geologii rudnykh mestorozhdeniy, petrofrafii, mineralogii i geokhimii AN SSSR, Moskva.

TOKMAKOV, P.P.

Genetic classification of crystalliferous interstices. Trudy IGEM no.17:46-52 '57. (MIRA 11:6)
(Crystallography)

TOKMAKOV, P.P.; GLAZOV, A.V.; LYASIK, S.A.

Origin of the unusual form of quartz "pebbles" in the eastern slope of the Southern Urals. Trudy IGEM no.40:62-65 '60. (MIRA 13:11)
(Ural Mountains--Quartz)

ANDREYEV, Yu.E.; VOLCHEK, I.I.; YEREMEYEV, V.P.; PETROV, V.P.; TOKMAKOV, P.P.

Asbestos potential of the U.S.S.R. Zakonom. razm. polezn. iskop. 6:113-152 '62. (MIRA 16:6)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR i Ministerstvo geologii i okhrany nedr SSSR.

(Asbestos)

TOKMAKOV, P.P.

Some data on the chemistry of contact changes and source material of crystalliferous quartz veins in the Aldan. Trudy IGEM no.40: 66-75 '60. (MIRA 13:11)

(Aldan Plateau--Quartz)

TOKMAKOV, P.P.

Kovdor vermiculite deposit and its formation. Trudy IGEM no.48:61-79 '61. (MIRA 15:1)
(Kola Peninsula--Vermiculite)

TOKMAKOV, P.P.; ZAMURUYEVA, M.G.; PETROV, V.P.

Nature of gumbelite. Trudy IGEM no.48:80-93 '61. (MIRA 15:1)
(Shun'ga region--Gumbelite)

TOKMAKOV, P.P.

Resources of vermiculite of the U.S.S.R. Trudy IGEM no.95:71-78 '63. (MIRA 16:12)

TOKMAKOV, P. P.; PETROV, V. P.

"On the nature of sungulite."

Report submitted for the International Clay Conference, Stockholm, Sweden, 12-16 Aug 63.

TOKMAKOV, P.P.

Formation of phlogopite and vermiculite deposits in the complex of ultrabasic alkali rocks as revealed by the Kola Peninsula and Urals. Zakonom. razm. polezn. iskop. 6:455-469 '62.
(MIRA 16:6)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR.
(Kola Peninsula--Phlogopite)
(Ural Mountains--Vermiculite)
(Ural Mountains--Phlogopite)
(Kola Peninsula--Vermiculite)

TOKMAKOV, P.V.

Increasing the output of the Volgograd petroleum refinery.
Neftianik 9 no.9:20-21 S '64 (MIRA 18:2)

1. Nachal'nik Byuro tekhnicheskoy informatsii Volgogradskogo neftepererabatyvayushchego zavoda.

L 63193-65 EWP(k)/EWP(z)/EWA(c)/EWT(d)/EWT(m)/EWP(b)/T/EWA(d)/EWP(l)/EWP(w)/EWP(v)/
ACCESSION NR: AP5019973 EWP(t) MJW/JD/HW UR/0136/65/000/008/0084/0085
669.295.004.12:621.771.2

AUTHOR: Krasnikov, N. Ye.; Skryabin, N. P.; Kushakevich, B. A.; Nikitin, Ye. M.; Bazhenov, Yu. M.; Tokmakov, P. Ya.; Gritsenko, Yu. P.; Makhmutova, Ye. A.

TITLE: Investigation of the mechanical properties and structure of titanium alloys during rolling

SOURCE: Tsvetnyye metally, no. 8, 1965, 84-85

TOPIC TAGS: titanium alloy, titanium alloy rolling, titanium alloy structure, titanium alloy mechanical property

ABSTRACT: The mechanical properties and microstructure of BT5, BT8, and BT15 titanium alloys rolled on rolling mill 300 at various temperatures and with various reductions have been investigated. Specimens 20 x 28 x 140 mm were preheated and rolled with a rolling-end temperature of 800, 850, 900, 1000, and 1100C. The experiments showed that tensile strength of all the alloys increased as rolling temperature decreased from 1100 to 800C. Microscopic examination revealed that recrystallization was not completed at 800—850C; but only at 900—1000C. The recrystallized structure improved ductility; the values changed according to the curve, hav-

Card 1/2

L 63498-65
ACCESSION NR: AP5019973

ing a maximum at 900—1000C. A further increase in rolling temperature up to 1100C increased the grain size and concentration of impurities on the grain boundaries. As a result, the elongation and reduction of area dropped and the embrittlement increased. A change of rolling reduction from 10 to 27% affected the tensile strength insignificantly, but increased plastic characteristics considerably. This phenomenon is caused by improved structure.. Orig. art. has: 3 figures and 2 tables. [WW]

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: MM,AS

NO REF SOV: 000 OTHER: 000 ATD PRESS: 4023

Card 2/2

L 17556-67 EWT(d)/EWT(m)/EWP(v)/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(l) IJP(c) JD/JH/JH
ACC NR: AP6029675 (N) SOURCE CODE: UR/0136/66/000/008/0077/0080

AUTHORS: Krasnikov, N. Ye.; Kushakevich, S. A.; Tokmakov, P. Ya.; Kazadov, K. A.; Shilin, O. K.; Gritsenko, Yu. P.; Matveyev, G. I. 44 54

ORG: none

TITLE: Adoption of rolling large round profiles from titanium alloys

SOURCE: Tsvetnyye metally, no. 8, 1966, 77-80

TOPIC TAGS: titanium alloy, metal rolling, metal forming

ABSTRACT: The rolling of large diameter (25 - 60 mm) titanium alloy stock was studied. Prior to rolling the specimens were heated for 40 min in an induction furnace up to a temperature of 1270--1370K, and for 5 min in a silit furnace at a temperature of 1270--1370K. A schematic of the rolling scheme is presented (see Fig. 1). The rolling margin was calculated after the formula of N. Ye. Krasnikov and N. P. Skryabin (Tsvetnyye metally, 1965, No. 4)

$$\Delta h = \frac{\Delta h \cdot B_0 \sqrt{\Delta h \cdot r}}{(H+h)^2} \times \left[1.7 - \frac{B_0 \sqrt{\Delta h \cdot r}}{(H+h)^2}\right],$$

where Δh is the absolute compression, B_0 - width of zone before passage, H and h - height of zone before and after passage respectively, and r - the radius of the working roller. It was found that the experimental data were in good agreement with

UDC: 669.295-422.1:622.771.2

Card 1/2